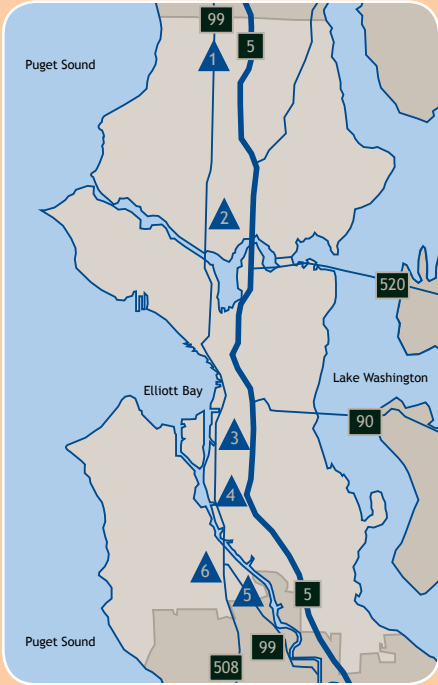


# Facilities



## Transfer and Processing Facilities

- 1. Seattle Household Hazardous Waste
- 2. Seattle North Transfer Station
- 3. Rabanco Recycle and Transfer Station
- 4. Union Pacific Rail Facility
- 5. Seattle South Transfer Station
- 6. Waste Management Transfer Station

Not shown: New city-owned intermodal facility and co-located new transfer station (to be sited south of downtown at a location to be determined).

## Current Disposal Scenario

Containerized waste from the city’s transfer stations (2, 5) is hauled to a rail intermodal facility operated by the Union Pacific Railroad (4), where it is transferred to rail and transported to the Columbia Ridge Landfill in Gilliam County, Oregon. Yard/food waste is also containerized at the transfer stations and is hauled to a privately owned composting facility under contract with the city.



## City of Seattle Upcoming Procurements for Solid Waste Services

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The City of Seattle intends to procure many new contracts for solid waste services in the next few years as most existing service contracts end or have contract “openers.” These services range from collection and processing to intermodal transfer, long-haul, and disposal. The city is providing this preliminary description of likely contracting approaches to encourage vendor interest and to solicit questions and suggestions on these approaches.

The primary objectives of our procurement efforts are to:

- ▶ Minimize costs to our customers.
- ▶ Improve customer services and maintain public trust.
- ▶ Increase waste prevention and recycling.
- ▶ Minimize adverse environmental and public health impacts.
- ▶ Strengthen partnerships with service providers.



# Seattle's Solid Waste System

## Facts

### City of Seattle:

573,000 residents (mandatory subscription to city collection service)  
92 square miles

### Seattle Public Utilities solid waste customers:

160,000 residential accounts  
9,000 commercial accounts

### Curbside collection (daily):

1,300+ tons municipal solid waste (MSW)  
500+ tons recyclables & yard/food waste

### MSW generation (annual):

780,000 tons (59% disposed of, 41% recycled or composted)

### Construction and demolition (C&D) materials (annual):

160,000+ tons collected and disposed of at private facilities  
(plus an unknown quantity recycled at private facilities)

## Web Links

### Current Contracts:

[www.seattle.gov/util/about\\_spu/garbage\\_system/contracts](http://www.seattle.gov/util/about_spu/garbage_system/contracts)

### Solid Waste Comprehensive Plan and Facilities Master Plan:

[www.seattle.gov/util/about\\_spu/garbage\\_system/plans](http://www.seattle.gov/util/about_spu/garbage_system/plans)

## Procurement Plan Overview

Services	Number of Contractors	Dates	
<b>Processing Recyclables:</b> Process and market all materials (80k tons per year) from city-contracted collections.	1 or 2 facilities	RFP Award Services	Jul-06 Mar-07 Apr-09
<b>Collection Services:</b> Service all residential accounts (160k) and commercial/apartment accounts (16k) within a service area.	2 to 4 service areas	RFP Award Services	Jan-07 Feb-08 Apr-09
<b>Intermodal (Transfer and Rail Load)*:</b> Design, build, and operate (DBO) an intermodal facility for all Seattle MSW (450k tons per year) and potentially C&D wastes and soils.	1 firm	RFP Award Design Services	Dec-06 Sep-07 TBD Jan-10
<b>Rail-Haul and Disposal:</b> Transport and dispose of all Seattle MSW (450k tons per year) and potentially C&D wastes and soils.	1 landfill with separate or combined rail and disposal services	RFP Award Service	Jan-08 Feb-09 Apr-10

\*Decisions on how to construct and operate new facilities are tentative. There will also be separate traditional General Contractor/Construction Manager arrangements for rebuilding the two city transfer stations.

## Zero Waste

Seattle's current solid waste plan has adopted "zero waste" as a guiding principle. This recognizes the long-term environmental, public health, and economic benefits of conservation programs such as recycling, waste reduction, and diversion.

Seattle's goal is to reduce 60% of its MSW through waste prevention and recycling. Actions include an aggressive volume-based residential rate structure, curbside recycling of fibers and containers, curbside collection of yard/food waste for composting, a backyard composting program, and a ban on yard waste in the MSW.

A 2005 ordinance bans customers from putting recyclables in residential, commercial, and self-haul MSW.

## Upcoming Procurements

### Recyclables Processing Contract

- RFP planned for July 2006.
- One or two plants.
- Bids for both commingled and glass-separate processing.
- Tentative dates: award contract(s) March 2007; clarify glass processing method March 2008; start services April 2009.
- Requirements, penalties, and rewards for output (bale) quality and caliber and amount of residuals.
- City shares risk and gains in market revenue variations.

### Collection Contracts

- Bids accepted for 4 to 8 areas of city; 2 to 4 final service areas awarded.
- Contractor provides all routed collection services in an area, residential and commercial; MSW, recycling, and yard/food waste.
- Initial bidding areas could include approximately:
  - 15,000–30,000 can/cart accounts (MSW, yard/food waste, and recycling).
  - 800–3,000 dumpster MSW accounts.
  - 300–1,200 dumpster recycling accounts.
- Roll-off MSW and C&D collection may be contracted jointly or separately.
- Tentative dates: award contracts February 2008; start services April 2009.

### Service Delivery:

- Current service levels continue, including biweekly recycling and yard/food waste for all residential accounts.
- May consider weekly yard/food waste and/or biweekly MSW.
- May switch to glass commingled recycling collection.
- Current collection locations and access continue (some alleys, on-street parking, and backyard locations).
- City performs customer service and billing and sets retail rates.
- City may specify:
  - Same-day collection of misses.
  - Onboard electronics with frequent two-way transmission of route activity.
  - Onboard weighing of dumpsters.

### Performance:

- Rewards/penalties for over/under expected performance (misses, repeat misses, accurate extra MSW, noise violations, container delivery, safety/damages, etc.).
- Rewards/penalties increase for large variance from expected performance.
- City may consider other incentives to drive customer service, safety, recycling performance, or other performance criteria.

### Fleets and Destinations:

- Engines compliant with 2007 emissions requirements or better.
- Options for biodiesel blend, alternative fuels, and other emissions improvements.
- All MSW trips to intermodal south of downtown.
- All recyclables to contracted processing facility(ies).

### Intermodal Facility DBO (Tentative)

- City acquires, finances, and owns land and facilities.
- Current preferred site is south of core downtown area.
- Performance-based specifications and scope of work.
- Transfer and rail-load all Seattle MSW (450,000 tons per year) and potentially C&D wastes and contaminated soils.
- Contractor designs, builds, and operates facility.
- City retains option to operate the waste compaction facility.
- Operation performance requirements, penalties, and incentives.

### Long-Haul Disposal Contract

- Bids requested for long-haul and disposal, both separate and together.
- Transportation from city-owned intermodal facility to one disposal facility.
- All Seattle MSW and potentially C&D waste and contaminated soils.
- Backhaul revenue sharing.
- Rail performance revenue requirements for available train and containers.
- Penalties and rewards for variation and reimbursement for replacement transportation.
- Disposal facility performance requirements and incentives.

## We welcome your feedback

This information is provided to solicit feedback and input from service providers and stakeholders. Input is especially welcome on performance measures and metrics that would improve these procurement approaches.